



National Energy Policy: Five Themes

Federal Energy Management Program

- Enhance energy conservation
- Modernize infrastructure
- Increase supplies
- Accelerate protection and improvement of the environment
- Improve energy security



Office of Energy Efficiency and Renewable Energy Priorities

Federal Energy Management Program

1. Dramatically reduce or even end dependence on foreign oil
2. Reduce the burden of energy prices on the disadvantaged
3. Increase the viability and deployment of renewable energy
4. Increase the reliability and efficiency of electricity generation, delivery, and use



EERE Priorities (cont.)

Federal Energy Management Program

5. Increase the efficiency of buildings and appliances
6. Increase the efficiency/reduce the energy intensity of industry
7. Create the new domestic bio-industry
8. Lead by example through the Government's own actions



Possible Legislation

- New energy reduction goals
 - House: 45% by 2020, 1985 baseline
 - Senate: 2% per year, 2000 baseline (through 2011 – 20% improvement)
- Federal Energy Bank (Senate)
- Expand ESPC authority
- Codify UESC authority (House)
- Interval metering



Progress Toward Renewable Energy Goals

Federal Energy Management Program

- Expand Use of Renewable Energy
 - 2.5% of Federal facility electricity consumption by 2005
 - RE use currently 0.4%
- From June 1997 to the end of 2000, the Federal Government installed 2,745 solar energy systems
- The Federal government is purchasing renewable power and renewable energy credits

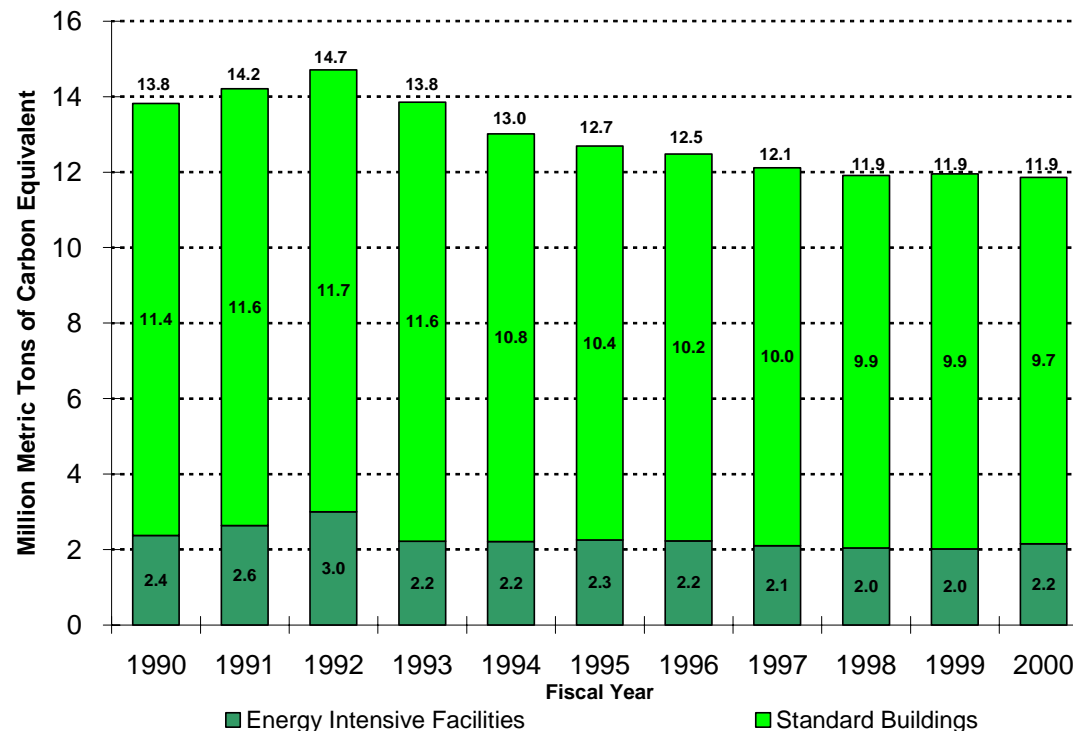




Progress Toward Greenhouse Gas Goal

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- Reduce greenhouse gas emissions 30% by 2010 relative to 1990
- 13.6% reduction in greenhouse gas emissions from Federal facility energy consumption in 2000 compared to 1990





Tech Specific Super ESPCs

Federal Energy Management Program

- Nationwide contracts
- Can be used for projects in Federal facilities overseas
- Four areas:
 - Geothermal Heat Pumps
 - Photovoltaic
 - Concentrating Solar Collectors
 - Biomass and Alternative Methane Fuels





Areas of Emphasis

Federal Energy Management Program

- Distributed Energy Resources (DER)
 - Combined Heat and Power (CHP)
- Industrial and Laboratory Facilities
- Whole Building Design
- Operation and Maintenance/Commissioning
- Peak Load Management

